This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

- (Currently Amended) A video display system for displaying an image on a display medium comprising:
- a first video source means mounted relative to the display medium for displaying a first portion of the image at a first resolution;
- a second video source means mounted relative to the first video source means and the display medium, for displaying a second portion of the image at a second resolution, said second portion comprising a subset of the first portion, said second portion overlaying said first portion the second portion overlaying a subset of the first portion, the second portion moving over the first portion;
- an image transformer means for generating an input to the second video source means by

 performing a transform, wherein the input is changeable over time and aligns the second

 portion to the first portion, the second portion moving over the first portion, the image

 transformer means comprising;

 means for determining a first image plane transform by determining a correlation

between an image plane corresponding to the first video source means and the
display medium;
 means for determining a plurality of image plane correlations between the display on the
display medium of the image plane corresponding to the first video source means
and an image plane corresponding to the second video source means, each of
the plurality of correlations corresponding to a configuration of the second video
the configuration of the economic property
source means, wherein the configuration of the second video source means is
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changeable over time and corresponds to the second portion moving over the
first portion:

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	means for determining a second image transform as a function of the configuration of
	the second video source means, from the first image plane transform and the
	plurality of image plane correlations;
	means for providing the input to the second video source means, said input being
	compensated for relative configurations for the first video source means, the
	second video source means and the display medium.
mea	ns for moving the position of said second portion with respect to said first portion; and,
	an image transformer for generating an input to the second video source-means-such-that
	the second video source means displays the second portion aligned with the first portion.
2.	(Previously presented) The video display system of Claim 1, wherein the second video
	source means comprises a video driver and an image steerer means for directing optical
	energy from the video driver to the display medium.
3.	(Previously presented) The video display system of Claim 2, wherein the first video
	source means comprises a first projector, and said video driver comprises a second
	projector, said image steerer means being mounted relative to the second projector.
4.	(Previously presented) The video display system of Claim 3, wherein said mage steerer
•	means comprises a mirror capable of pan and tilt motion.
5.	(Previously presented) The video display system of Claim 4, wherein the pan and tilt
	motion of said mirror is controlled by a computer.
6.	(Canceled)
7 .	(Canceled)
8.	(Currently Amended) A method for displaying an image on a display medium comprising:
	displaying with a first video source a first portion of the image at a first resolution;
_	displaying with a second video source a second portion of the image at a second
	resolution, said the second portion being overlaying a subset of the first portion,

the second portion overlaying and being movable moving over said the first		
portion;		
generating an input to the second video source by performing a transform, wherein the		
input is changeable over time and aligns the second portion to the first portion,		
the second portion moving over the first portion, the transform comprising;		
determining a first image plane transform by determining a correlation		
between an image plane corresponding to the first video source		
and the display medium:		
determining a plurality of image plane correlations between the display on		
the display medium of the image plane corresponding to the first		
video source and an image plane corresponding to the second		
video source, each of the plurality of correlations corresponding to		
a configuration of the second video source, wherein the		
configuration of the second video source is changeable over time		
and corresponds to the second portion moving over the first		
portion;		
determining a second image transform as a function of the configuration		
of the second video source, from the first image plane transform		
and the plurality of image plane correlations; and,		
providing the input to the second video source, said input being compensated for relative		
configurations of the first video source, the second video source, and the display		
medium.		
-providing-an output from said second video source, that corresponds to the subset of the first		
portion of the display everlaid by the second-portion, said output being compensated for the		
relative configurations of the first video source, the second video-source, and the display		
medium, whereby the second portion is aligned with the first-portion.		

- (Canceled)
- 10. (Currently Amended) The method of Claim 89, wherein:
- the plurality of image plane correlations has sufficient number that the number of unknown parameters in the second image transform is less than the number of equations resulting from the plurality of image plane correlations; and
- the second image transform is determined from a linear regression on the plurality of image plane correlations.
- 11. (Currently Amended) A method of determining an image transform for registration aligning of first and second images to be displayed on a display medium, wherein the second image is overlaving and moving over the first image can be displayed at various locations relative to the first image by changing the configuration of a second video source, wherein the display of the first image has an associated first image plane and the display of the second image has an associated second image plane, comprising:
- determining a first image plane transform by determining a correlation between the first image plane and the display medium;
- determining a plurality of image plane correlations between the display on the display medium of the first image plane and the second image plane, each of the plurality of correlations corresponding to a configuration of the second video source, wherein the configuration of the second video source is changeable over time and corresponds to the second image moving over the first image;
- determining the image transform as a function of the configuration of the second video source from the first image plane transform and the <u>plurality of image plane</u> correlations.
- 12. (Currently Amended) The method of Claim 11, wherein:
- the plurality of image plane correlations has sufficient number that the number of unknown parameters in the image transform is less than the number of equations resulting from the plurality of image plane correlations; and

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the image transform is determined from a linear regression on the plurality of image plane correlations.